

PHILIP MORRIS USA
RESEARCH AND DEVELOPMENT DEPARTMENT

PAKISTAN TEST #73

KT1-05SO
MH1-05SO

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PAKISTAN TEST #73

The following cigarette brands from Pakistan were received at R & D and submitted for analyses on December 5, 1975. These cigarettes were of September, 1975 production.

K-2 Regular 10's (Slide & Shell) - Mardan Ind. - Sakhakot
 Marcovitch Red & White Regular Size 10's (Slide & Shell) -
 Premier Tob. Ind. Ltd. - Karachi

The K-2 Regular 10's cigarettes (Sakhakot) were different from the previous average in the following characteristics: tar, TPM, cigarette length, circumference, paper porosity, total alkaloids, total reducing sugars, tobacco weight and rod density.

The Marcovitch Red & White Regular 10's cigarettes (Karachi) were different from the previous average in tar, TPM, nicotine and total reducing sugars.

	K-2 Regular 10's (Slide & Shell) Mardan Ind. Sakhakot		Marcovitch Red & White 10's Regular (Slide & Shell) Premier Tob. Co. - Karachi	
	Current	Prev. Avg.	Current	Prev. Avg.
<u>Smoke</u>				
Butt Length, mm	23	23	23	23
FTC Tar, mg/cigt.	27.0	30.4 ³	27.3	30.1 ²
TPM, mg/cigt.	32.1	35.4 ³	31.3	34.5 ²
Nicotine, mg/cigt.	2.06	1.99 ³	1.48	1.25 ²
Water, mg/cigt.	3.0	3.0	2.5	3.1
Puffs/cigt.	10.8	10.7	9.7	9.9
<u>Cigarette</u>				
Total RTD, in. of H ₂ O	2.9	3.2	3.2	2.8
mm of H ₂ O	74	81	81	71
Static Burn. Time, min.	12.0	11.8	10.4	10.3
Length, mm	68.6	69.1	69.7	69.6
Circumference, mm	24.3	24.6 ³	24.7	24.7 ²
Diameter, mm	7.7	7.8	7.9	7.9
<u>Paper</u>				
Porosity, sec.	50	62 ³	40	39
<u>Filler</u>				
Total alkaloids, %	2.01	1.86 ³	1.38	1.28 ²
Total reducing sugars, %	5.6	8.3	9.4	13.2
Wt. of tob., 1,000 cigts., g	966	1066	1040	1006
1,000 cigts., lbs.	2.1268	2.3457	2.2896	2.2148
Rod Density, g/cc	0.300	0.323	0.307	0.300 ²
¹ C.V., cc/10 g	35	34	35	35
C.V., cc/10 g (Corrected to 12% O.V.)	33	32	33	32
¹ Oven Volatiles, %	11.1	11.3	11.2	11.0

¹Equilibrated at 75°F and 60% R.H. for 48 hrs.

²Results of Test #67, dated May 6, 1975, where a change was noted.

³Results of Test #70, dated July 29, 1975, where a change was noted.

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